

Glencoe Geometry, KY Edition

Glencoe Geometry is a key program in our vertically aligned high school mathematics series developed to help all students achieve a better understanding of mathematics and improve their mathematics scores on today's high-stakes assessments. This program ensures complete and in-depth coverage of the Kentucky Combined Curriculum, including the Program of Studies and the Related Core Content for Assessment, by providing a pacing guide, correlations, Countdown to the KCCT, and standards written out at point of use in each lesson.

Teacher Edition	
0078884918	\$97.95
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ISBN**007888490X**Contract Price

\$66.45

Grade

9,10,11,12

TYPE

P1

Copyright

2010

Author

Glencoe/McGraw-Hill

Edition

1

Content

Geometry

Readability

8.4 Dale Chall

Accessibility

Nimas

Research

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Glencoe Geometry, KY Edition

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SAM888490X Kentucky Student Edition, Comp Copy

Free Per Student Edition Purchased (ratio 1 free Per 4 Student Editions Purchased): Print Option Only

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN 007888490X	Publisher - Glencoe/McGraw-Hill		Provided by the Publisher
	Glencoe Geometry, KY Edition			
	Type - P1	Author - Glencoe/McGraw-Hill		
	Copyright - 2010	Edition - 1	Readability - 8.4 Dale Chall	
	Course - Geometry		Grade(s) - 9,10,11,12	
Teacher Edition ISBN if applicable0078884918				

Overall Recommendation:

Recommended as BASAL

Overall Strengths, Weaknesses, Comments:

if this box is not checked, the evaluators have
chosen NOT recommend as basal

This textbook could easily be used for either an advanced or general geometry course. Concepts from the Program of Studies are fully addressed. The wide variety of problems and well-written explanations allow students to explore geometry, regardless of their ability level or background. Enrichment for advanced students is available throughout. Ancillary materials are excellent, both in quantity and quality.

NIMAC Accessibility N
Ancillary No
Free with Purchase Yes
Research Yes www.glencoe.com

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CRITERIA

This basal resource ...

A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 5 Big Ideas of mathematics to the following extent:

a) Number Properties and Operations	Strong Evidence
b) Measurement	Strong Evidence
c) Geometry	Strong Evidence
d) Data Analysis and Probability	Strong Evidence
e) Algebraic Thinking	Strong Evidence

2) Addresses content-specific enduring understandings from the related Program of Studies standards.

Strong Evidence

3) Addresses content-specific skills and concepts from the related Program of Studies standards.	Strong Evidence
4) Content addressed is current, relevant and non-trivial	Strong Evidence
5) Provides opportunities for critical thinking/reasoning	Strong Evidence
6) Strengths, Weaknesses, Comments: <ul style="list-style-type: none"> Specific strengths-which areas/concepts are covered exceptionally well? Specific weaknesses-which areas/concepts would likely require supplementing? <p>The textbook thoroughly address all concepts from the Program of Studies.</p>	

B. Functionality & Suitability	Strong Evidence
1) Suitability	Strong Evidence
<ul style="list-style-type: none"> Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind. 	
2) Content quality	Strong Evidence
<ul style="list-style-type: none"> Free from factual errors Content is presented conceptually when possible—more than a mere collection of facts Content included accurately represents the knowledge base of the discipline Theories/scientific models contained represent a broad consensus of the scientific community Interconnections among mathematical topics 	
3) Connections to Literacy	Strong Evidence
<ul style="list-style-type: none"> Employs a variety of reading levels and is grade/level appropriate Use of multiple representations-concrete, visual/spatial, graphs, charts, etc. Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles. Student text provides opportunity to integrate reading and writing Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both text and glossary The text is engaging and facilitates learning Embedded activities enhance the understanding of the text <p><i>Note: may apply to either student or teacher editions</i></p>	
4) Connections to Technology	Strong Evidence
<ul style="list-style-type: none"> Integrates technology and reflects the impact of technological advances Uses technology in the collection and/or manipulation of authentic data Embeds web links as a mathematics resource. 	
5) Support for Diverse Learners	Strong Evidence

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The use of technology is embedded throughout the textbook. Both the teacher edition and support materials provide a wealth of resources for differentiation of instruction.

C. Supports Inquiry and Skill Development	Strong Evidence
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1) Promotes Inquiry, research and Application of Learning

Strong Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

Note: may apply to either teacher or student edition

2) Skill Development

Strong Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

Problem sets contain a variety of questions, including short-answer, open-response, informal proof, and formal proof. Extensions and scaffolding are available for most activities.

D. Supports Best Practices of Teaching and Learning

Strong Evidence

1) Engages Students

Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated

Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

Strong Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

Illustrations and examples enhance the learning experience of students. A wide variety of assessment questions are included, including multiple-choice, short-answer, proof, and open-response.

E. Has an Organization/ Format that Supports Learning and Teaching

Strong Evidence

1) Organizational Quality

Strong Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit

- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text)	Strong Evidence
<ul style="list-style-type: none">• Items identified as essential components support the learning goals and concept coverage of the basal	
3) Strengths, Weaknesses, Comments:	
<ul style="list-style-type: none">• Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards. <p>Textbook is well-organized. Illustrations, real-world examples, and graphics tie directly to unit objectives. Textbook is very readable for high school students. Well-written explanations allow for independent study.</p>	

F. Has available Ancillary/ Gratis Materials	
<i>Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F</i>	Strong Evidence

1) Ancillary/Gratis Materials
<ul style="list-style-type: none">• Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).• Are well-organized and easy to use• Provide substantive learning opportunities and are congruent with student learning goals• Provide opportunities for high-level thinking, assessment, and/or problem solving• Provides opportunities for intervention.
2) Strengths, Weaknesses, Comments:
<ul style="list-style-type: none">• Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards. <p>The quantity and quality of ancillary materials is incredible. Specific resources contain well-written guides (with activities) for student remediation, for extra practice, and for exploration of topics beyond the textbook material.</p>